

**Supplementary Table 1 List of antigens tested in pBQAP10/pCMVi10.**

	Antigen Name	Accession	Homology	Size (bp)	Source	Response
1	AAT	X01683	64%	1101	cDNA	+
2	ApoAV	NM052968	72%	300	Synthetic	+
3	ApoA1	X00566	65%	732	cDNA	+
4	ApoCIV	T71886	56%	381	cDNA	-
5	ApoD	H15842	73%	429	cDNA	+
6	Aquaporin 4	N46843	93%	399	cDNA	-
7	ARF1	M84326	100%	549	cDNA	+
8	Calpain I	H15456	89%	399	cDNA	+
9	CaMK 4	AW025962	80%	399	cDNA	+
10	CDC42	M57298	100%	570	cDNA	-
11	CDK9	X80230	98%	300	Synthetic	-
12	Cyp 7B1	AF127090	66%	288	Genomic DNA	-
13	EGF	X04571	67%	159	Synthetic	+
14	Endothelin 1	J05008	70%	639	cDNA	+
15	FABP1, liver	T53220	84%	384	cDNA	+
16	FACT, p140	NM007192	98%	300	Synthetic	-
17	FGFβ	M27968	94%	465	Synthetic	-
18	FGL2	Z36531	77%	612	Genomic DNA	+
19	FKBP 1A	M34539	97%	321	cDNA	+
20	Gα s long	X04409	94%	1179	cDNA	-
21	Gγ 1	S62027	96%	219	cDNA	+
22	GMCSF	M11230	80%	435	cDNA	+
23	GRB2	X62852	99%	651	cDNA	-
24	GROα	J03561	62%	237	Synthetic	+
25	HDAC5	NM005474	94%	918	cDNA	+
26	Interferonα	J00210	64%	498	Synthetic	+
27	Interferony	X13274	41%	438	Synthetic	+
28	Interleukin 1α	X02531	61%	477	Synthetic	+
29	Interleukin 1β	M15330	68%	510	cDNA	+
30	Interleukin 10	M57627	73%	429	cDNA	-
31	Interleukin 2	X01586	63%	399	Synthetic	-
32	Interleukin 3	M17115	31%	399	Synthetic	+
33	Interleukin 4	M13982	41%	387	Synthetic	+
34	Interleukin 5	X04688	70%	336	Synthetic	-
35	Interleukin 6	M14584	41%	459	cDNA	-
36	Interleukin 7	J04156	61%	456	Synthetic	+

37	Interleukin 8	M28130	47%	240	cDNA	+
38	Interleukin 9	M30134	56%	378	Synthetic	+
39	Leptin	U43653	83%	438	Synthetic	-
40	Lipase-HS	W96325	85%	399	cDNA	+
41	MCIP1	U28833	96%	594	cDNA	+
42	MCP1	X14768	67%	231	Synthetic	+
43	MDM2	M92424	80%	564	cDNA	+
44	MIP1 $\alpha$	M23452	76%	216	Synthetic	+
45	MLCK1	U48959	33%	219	Synthetic	-
46	MLCK2	U48959	33%	300	Synthetic	+
47	Myoglobin	X00371	83%	465	cDNA	+
48	Myosin light chain 2a	N93941	92%	399	cDNA	+
49	NFKB, p65	L19067	100%	309	cDNA	+
50	NGF $\beta$	NM002506	83%	399	Synthetic	+
51	OS-9	AA013336	21%	399	cDNA	+
52	Phospholamban	M63603	98%	159	cDNA	+
53	Pirin	H69334	95%	399	cDNA	-
54	RALA	X15014	99%	630	cDNA	-
55	RANTES	M21121	80%	204	Synthetic	+
56	RGS1	X73427	87%	591	cDNA	+
57	Rho GDI $\alpha$	D13989	68%	609	cDNA	+
58	RPB1-CTD	X63564	99%	210	Synthetic	+
59	Rv 0105c (Mtb)	NC000962	-	282	Genomic DNA	-
60	Rv 0358 (Mtb)	NC000962	-	645	Genomic DNA	-
61	Rv 0928 (Mtb)	NC000962	-	1110	Genomic DNA	+
62	Rv 1386 (Mtb)	NC000962	-	306	Genomic DNA	+
63	Rv 1813c (Mtb)	NC000962	-	429	Genomic DNA	+
64	Rv 2031c (Mtb)	NC000962	-	432	Genomic DNA	+
65	Rv 2703 (Mtb)	NC000962	-	1584	Genomic DNA	+
66	Rv 3286c (Mtb)	NC000962	-	783	Genomic DNA	+
67	Rv 3314c (Mtb)	NC000962	-	1281	Genomic DNA	+
68	Rv 3415c (Mtb)	NC000962	-	825	Genomic DNA	-
69	Rv 3477 (Mtb)	NC000962	-	294	Genomic DNA	+
70	Rv 3614c (Mtb)	NC000962	-	552	Genomic DNA	+
71	Rv 3773c (Mtb)	NC000962	-	582	Genomic DNA	+
72	Rv 3904c (Mtb)	NC000962	-	270	Genomic DNA	-
73	RXR $\beta$	M84820	94%	234	Genomic DNA	+
74	SC/MCGF	NM000899	82%	399	Synthetic	-
75	SCYA16	T58775	39%	363	cDNA	+
76	SOD	X02317	83%	465	cDNA	+
77	TAF250	D90359	36%	300	Synthetic	+

78	TBP	X54993	91%	300	Synthetic	-
79	TGF $\beta$	X02812	89%	336	Synthetic	-
80	Tropomyosin 2	AA477400	98%	390	cDNA	+
81	Troponin C	X07897	99%	483	cDNA	+
82	Troponin I	X90780	93%	471	cDNA	+
83	Troponin T2	N70734	85%	399	cDNA	-
84	UCP1	U28480	79%	198	Genomic DNA	-
85	UCP2	U94592	96%	180	Genomic DNA	+
86	USF1	X55666	98%	195	Genomic DNA	+
87	VEGF-D	AA995128	83%	399	cDNA	+
88	ZIF38	AC025271	-	399	cDNA	+